

#### ABSTRACT OF THE DISCLOSURE

An on-vehicle DSRC apparatus capable of being operated with a battery power supply while decreasing power consumption includes a radio unit (1) for performing communication with an on-road radio equipment (30), a data processing unit (2) for processing data received from the radio unit (1), a battery (3) for supplying an electric power to the radio unit (1) and the data processing unit (2) and a first power switch (4) inserted in a power supply line extending between the battery (3) and a combination of the radio unit (1) and the data processing unit (2). The first power switch (4) is imparted with a function for controlling the power supply from the battery (3) so that the power can be saved. In case use of the on-vehicle apparatus is unnecessary, a power supply is interrupted for saving electric energy to prolong the battery life.